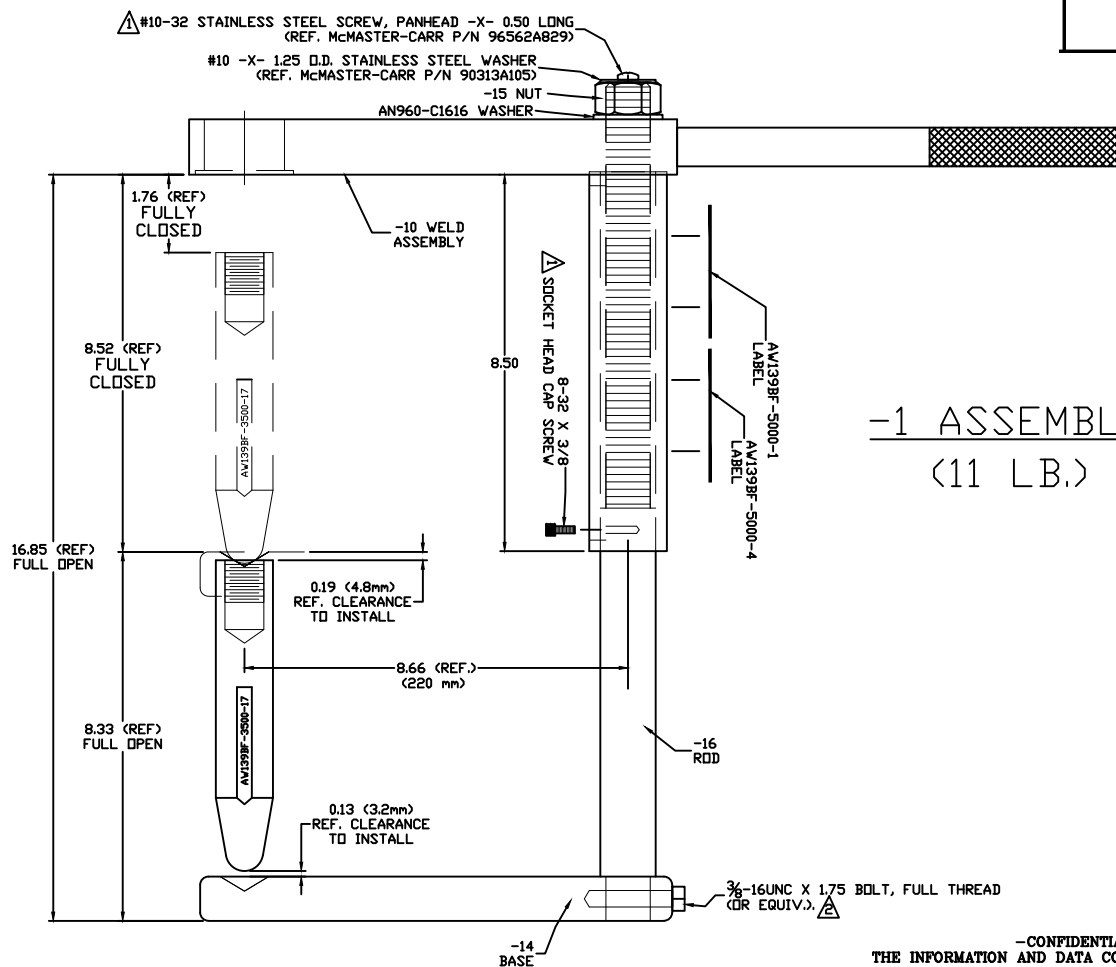


## NOTES:

- ⚠️ APPLY ANTI SIEZE COMPOUND (GO-JO NO LOK) OR EQUIV. SPARINGLY TO THREADS.  
 ⚠️ APPLY THREADLOCKER 81792 (OR EQUIV.) PRIOR TO INSTALLATION.  
 ⚠️ APPLY EVERLUBE 620C TO THREADS PER MFG. INSTRUCTION.



-1 ASSEMBLY  
(11 LB.)

SHEET	REV	DATE	DESCRIPTION	BY	APR	CHK
1	C	06/09/2010	PLACARDS WERE A109BF EQUIVS.	REB		
1	D	06/17/2010	UPDATED BOM FORMAT	REB		
1,2	E	07/02/2010	CORRECTED -12, -14; 8.661 WAS SHOWN 6.88, END DIM 2.00 WAS 1.76	REB		
1,2,3	F	12/03/10	ADDED SHT 3, MODIFIED -12 TO ADD SPOTFACE, CHG BORE- IS: Ø1.821 WAS: Ø2.000, -15 NUT IS: ZINC STEEL WAS: S.S.	TN		
1	G	07/15/14	REMOVED RATCHET WRENCH REFERENCE	ZT	JT	LS
1,2	H	05/20/15	ADDED ANTI-SIEZE AND LOCKTITE TO FASTENERS.	PDM	JT	LS
1,2	I	11/05/15	ADDED NOTES 1, 2 & 3.	JT		
ALL	J	12/14/16	MERGED AW139BF-100 INTO THIS DRAWING	PDM		
2	K	01/31/17	-16 ROD, CHANGED DEPTH FROM .75" TO .50" ADDED +/- .005 TOLERANCE TO 1.25" DIA.	PDM		
1,2,3	L	1/16/20	CHANGED CARRYING CASE P/N FROM J-240 TO 980050392, CHANGED HANDLE P/N FROM AW109BF-3500-11 TO A109BF-3500-11	ZA		
1,2,4,5	M	06/10/20	CHANGED CARRYING CASE P/N FROM 980050392 TO ES00001-1. ADDED ALT MATERIAL TO -13, CHANGED STOCK SIZE DN -12 FROM 1 1/2 X 2 1/2 TO 1 1/2 X 2 1/2	DT		
ALL	N	09/30/20	CHANGED SOCKET HEAD CAP SCREW FROM 8-32X7/16 TO 8-32X3/8, -15 NUT NOW STAINLESS STEEL, RENAMED -17 FROM BOLT GUIDE TO BULLET. ADDED TOLERANCE TO Ø0.750 HOLE DN -12. ADDED SHT 6, -18, AND -19.	DT		

		1	AW139BF-3500-18	CARRYING CASE ASSEMBLY
1			AW139BF-3500-19	CARRYING CASE FOAM
		1	9040	RATCHETING WRENCH, 1 7/16" (HANDSONTOOLS)
		1	92865A630	3/8-16 X 1-3/4 BOLT, FULL THD
		1	8-32 x 3/8 SHCS	SOCKET HEAD CAP SCREW, S.S.
		1	96562A829	10-32 X 1/2 18-8SS SCREW
		1	90313A105	WASHER, 18-8SS
		1	AN960C1616	WASHER
		1	AW139BF-5000-1	LABEL
		1	AW139BF-5000-4	LABEL; ALT. A109BF-5000-4
	1		AW109BF-3500-11	HANDLE
		1	AW139BF-3500-17	BULLET
		1	AW139BF-3500-16	ROD
		1	AW139BF-3500-15	NUT
		1	AW139BF-3500-14	BASE
	1		AW139BF-3500-13	SHAFT
	1		AW139BF-3500-12	HEAD
		1	AW139BF-3500-10	WELD ASSEMBLY
2			AW139BF-5000-3	LABEL
1			ES00001-1	CARRYING CASE
QTY	QTY	QTY	PART NUMBER	DESCRIPTION
-18 ASSY	-10 ASSY	-1 ASSY	NOTE: THIS IS NOT AN FAA APPROVED DRAWING.	

Paravion® Inc.  
Technology

TITLE  
BOLT EXTRACT  
ASSEMBLY

DRAWING NO.  
AW139BF-3500

DIMENSIONS IN INCHES  
TOLERANCES EXCEPT  
WHERE NOTED:

.X = ± .1  
.XX = ± .05  
.XXX = ± .010  
ANGLES = ± 1°

THREADS:  
INTERNAL=CLASS 2B  
EXTERNAL=CLASS 2A

DRAWN BY	APRVD. BY	CHK'D BY	DATE	REV	ECO
BNS	REB	LS	02/08/2010	N	

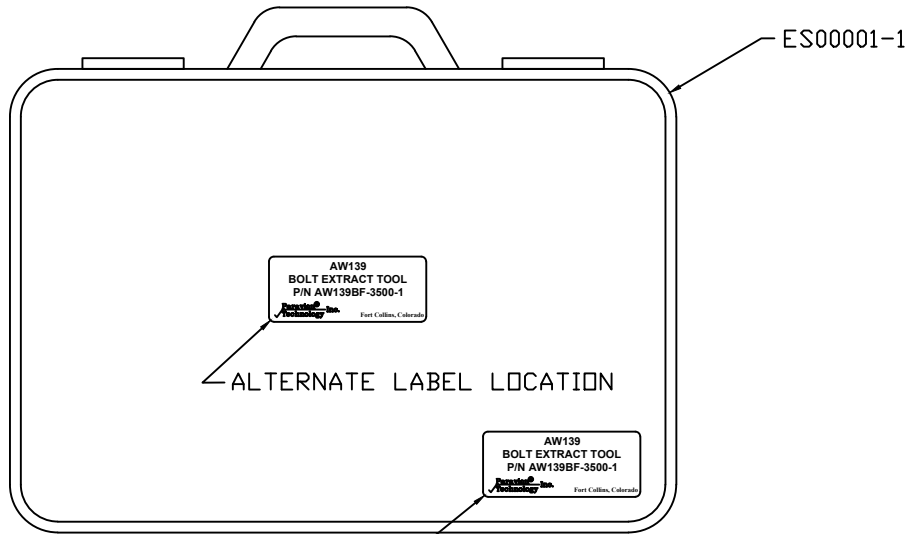
DO NOT SCALE DRAWING

SHEET  
1 OF 6

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PROTO

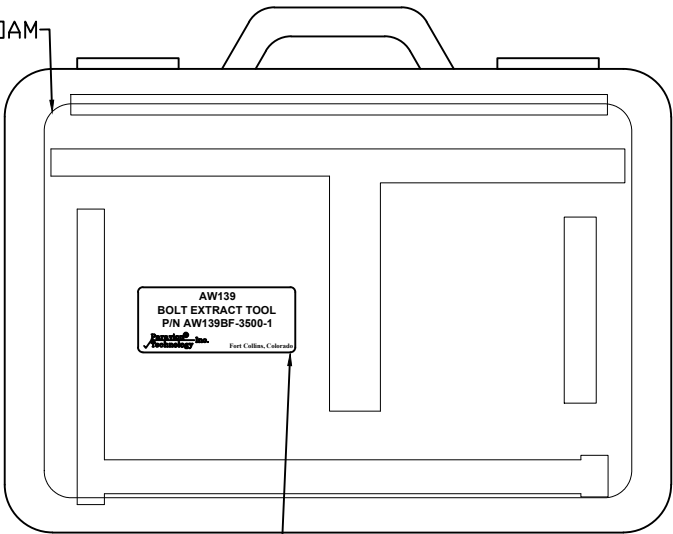
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EXTERIOR VIEW

REMOVE CASE MFG PLACARD IF NECESSARY, THEN INSTALL AW139BF-5000-3 USING 3M SUPER WEATHERSTRIP ADHESIVE OR EQUIVALENT. (APPROXIMATE LOCATION SHOWN)

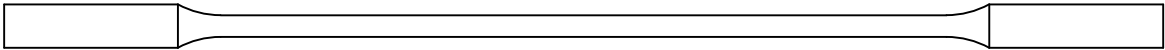
AW139BF-3500-19  
CARRYING CASE FOAM



INTERIOR VIEW

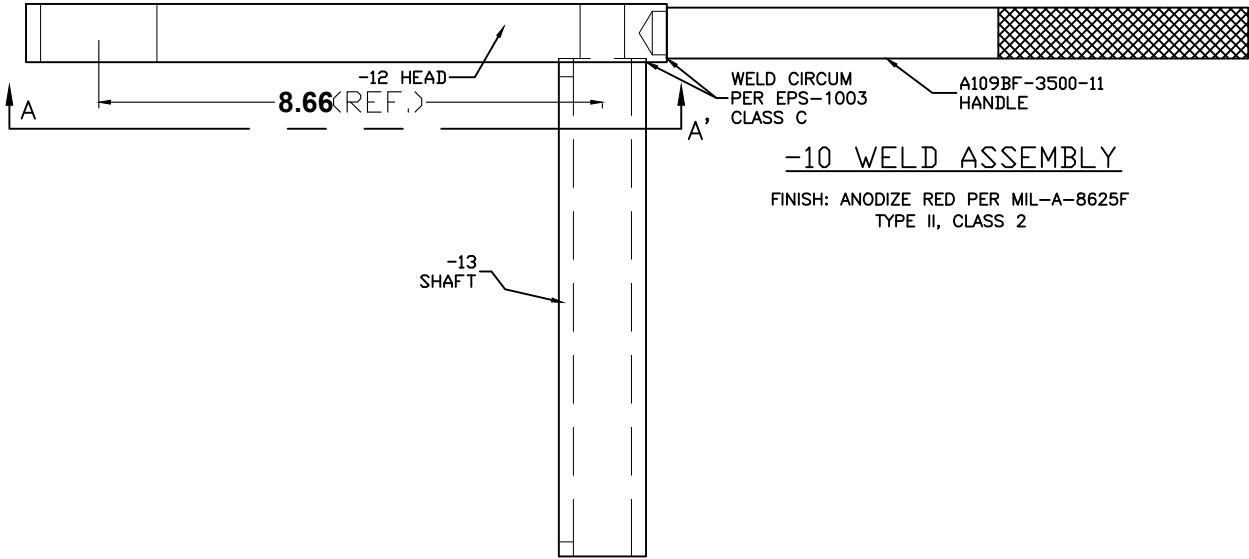
INSTALL AW139BF-5000-3 USING 3M SUPER WEATHERSTRIP ADHESIVE OR EQUIVALENT. (APPROXIMATE LOCATION SHOWN)

-18  
CARRYING CASE ASSEMBLY  
(NOT TO SCALE)



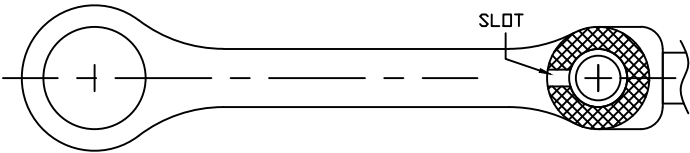
9040  
RATCHETING WRENCH, 1 7/16" (HANDSONTOOLS)  
(NOT TO SCALE)

2	AW139BF-5000-3	LABEL (ALT: AW139BF-5000-2)				
1	AW139BF-3500-19	CARRYING CASE FOAM				
1	ES00001-1	CARRYING CASE				
QTY	PART NUMBER	DESCRIPTION				
-18 ASSY	NOTE: THIS IS NOT AN FAA APPROVED DRAWING.					
PROTO	Paravion® ✓Technology Inc.		TITLE BOLT EXTRACT DETAILS		DRAWING NO. AW139BF-3500	
	DIMENSIONS IN INCHES TOLERANCES EXCEPT WHERE NOTED:		DRAWN BY	APRVD. BY	CHK'D BY	DATE
	.X = ± .1 .XX = ± .05 .XXX = ± .010 ANGLES = ± 1°		BNS			05/04/2010
	THREADS: INTERNAL=CLASS 2B EXTERNAL=CLASS 2A		DO NOT SCALE DRAWING			REV N
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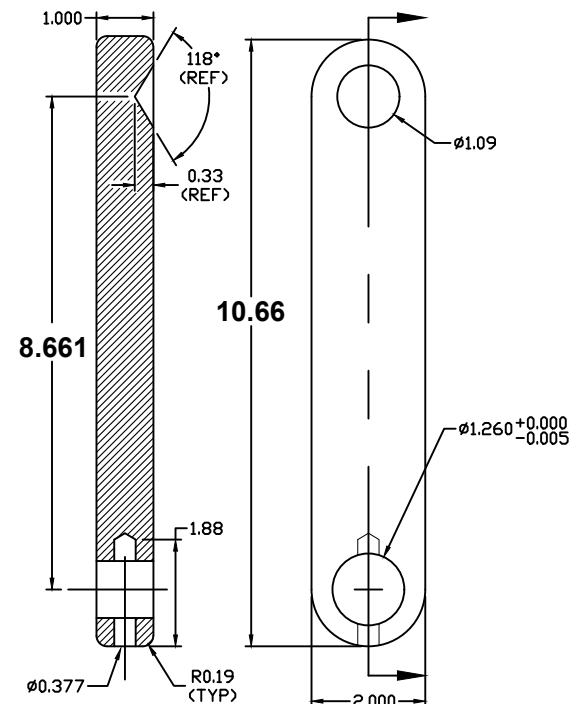
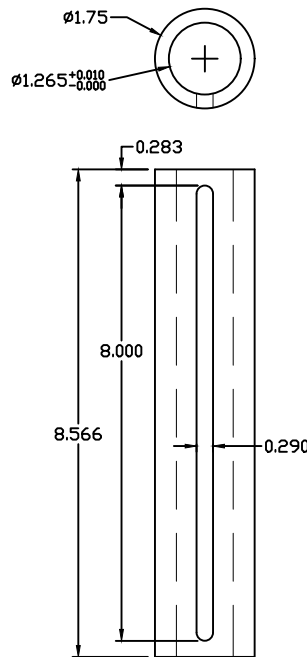
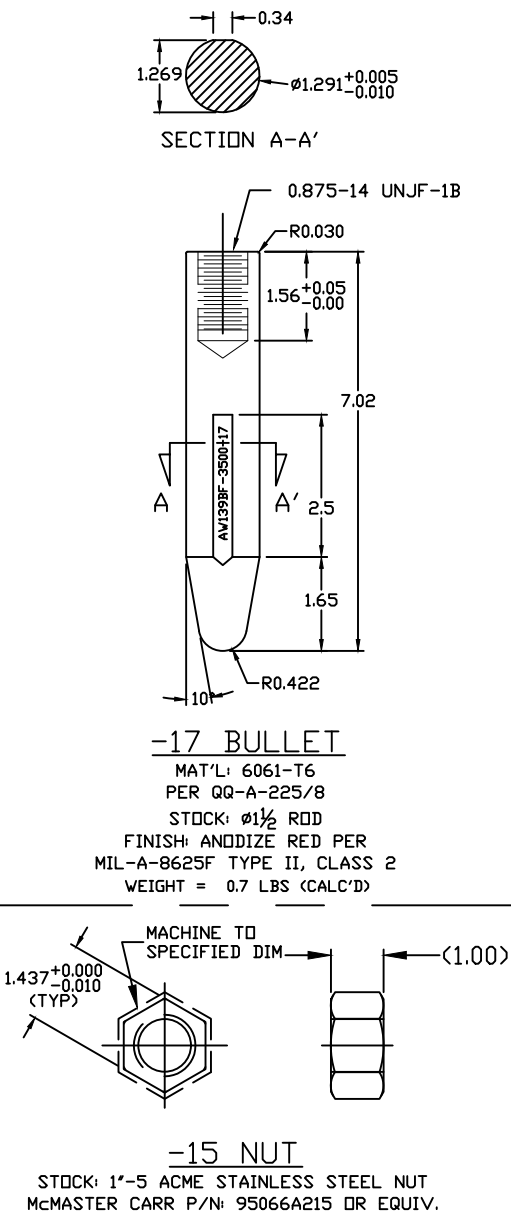
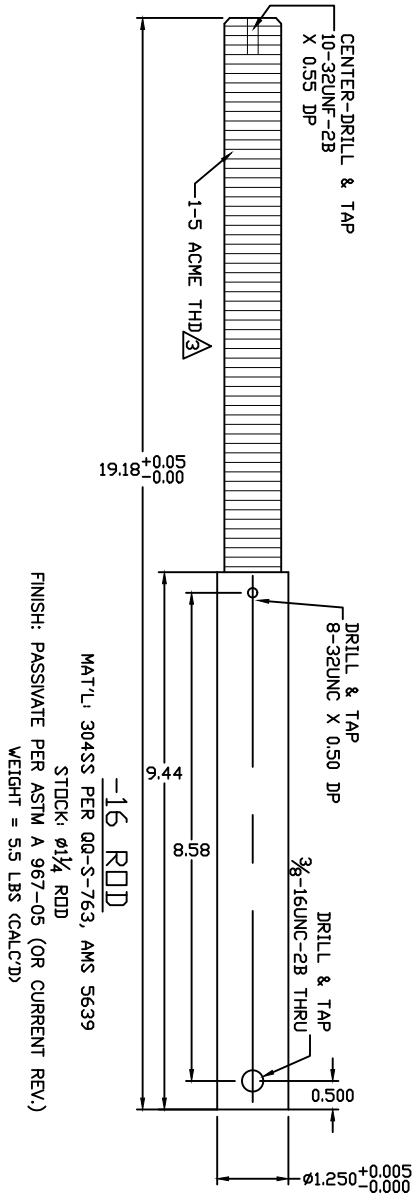
-10 WELD ASSEMBLY

FINISH: ANODIZE RED PER MIL-A-8625F  
TYPE II, CLASS 2



SECTION A-A'

1	AW139BF-3500-12	HEAD
1	AW109BF-3500-11	HANDLE
1	AW139BF-3500-13	SHAFT
QTY	PART NUMBER	DESCRIPTION
-10 ASSY	NOTE: THIS IS NOT AN FAA APPROVED DRAWING.	
Paravion® Inc. Technology		TITLE BOLT EXTRACT DETAILS
DRAWING NO. AW139BF-3500		
DIMENSIONS IN INCHES TOLERANCES EXCEPT WHERE NOTED:		DRAWN BY BNS
.X = ± .1 .XX = ± .05 .XXX = ± .010 ANGLES = ± 1°		APRVD. BY BY
THREADS: INTERNAL=CLASS 2B EXTERNAL=CLASS 2A		CHK'D BY BY
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SHEET 3 OF 6		ECO



BREAK ALL SHARP EDGES

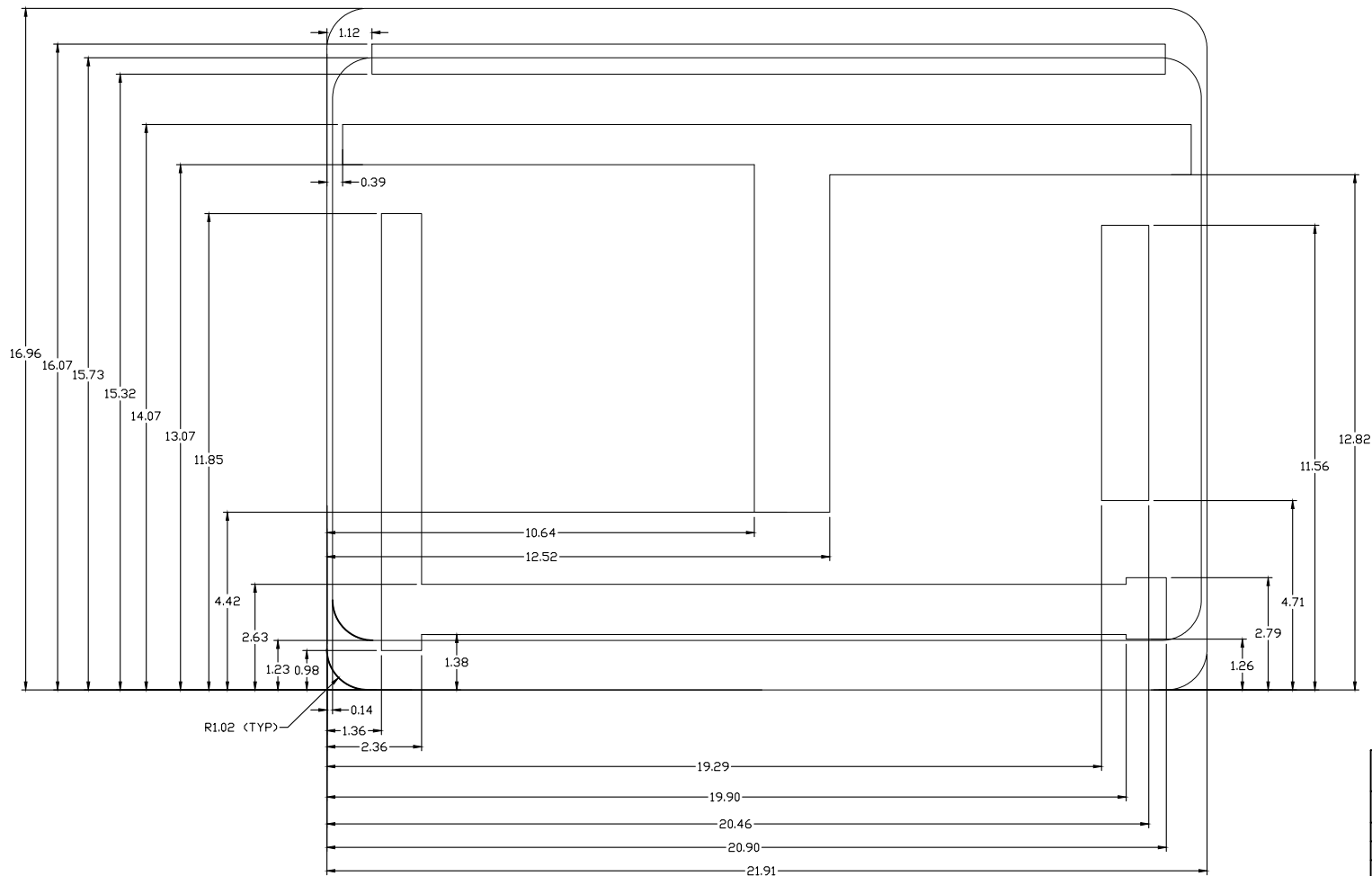
NOTE: THIS IS NOT AN FAA APPROVED DRAWING.

Paravion® Inc. ✓Technology		TITLE BOLT EXTRACT DETAILS		DRAWING NO. AW139BF-3500									
DIMENSIONS IN INCHES		DRAWN BY BNS		APRVD BY 		CHK'D BY 		DATE 05/04/2010		REV N		ECO 	
TOLERANCES EXCEPT WHERE NOTED:													
.X = ± .1 .XX = ± .05 .XXX = ± .010 ANGLES = ± 1°													
THREADS: INTERNAL=CLASS 2B EXTERNAL=CLASS 2A		DO NOT SCALE DRAWING								SHEET 4 OF 6			
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PROTO

THREADS:  
INTERNAL=CLASS 2B  
EXTERNAL=CLASS 2A





LASER CUTTING INFO (100W CO2 LASER)	
AIR PRESSURE	50 PSI
DPI	760
POWER	100%
SPEED	3%
PPI	CONTINUOUS

NOTE: RUN LASER CUTTING OPERATION TWICE DUE TO FOAM THICKNESS

-19 CARRYING CASE  
FOAM  
MAT'L: TOP 1 1/2" FOAM LAYER FROM  
ES00001-1 CASE

NOTE: THIS IS NOT AN FAA APPROVED DRAWING.

<b>Paravion® Inc.</b> Technology		TITLE BOLT EXTRACT ASSEMBLY		DRAWING NO. AW139BF-3500	
DIMENSIONS IN INCHES TOLERANCES EXCEPT WHERE NOTED:		DRAWN BY DT	APRVD. BY	CHK'D BY	DATE 09/30/20
.X = ± .1 .XX = ± .05 .XXX = ± .010 ANGLES = ± 1°		DO NOT SCALE DRAWING			REV N
THREADS: INTERNAL=CLASS 2B EXTERNAL=CLASS 2A		© 2020 PARAVION TECH, INC. PARAVION IS A TRADEMARK OF PARAVION TECHNOLOGY, INC.			ECO
SHEET 6 OF 6					

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